



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Air Performance, Inc.
159 Genco Drive
Hartford, AL 36344

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model 5WDRL 5" Blade Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **12-065**, titled "5" Blade Louvered System, Model 5WDRL", sheets 1 through 7 of 7, prepared by Tilteco, Inc, dated 03/09/2012, signed and sealed by Walter A. Tillit, Jr., P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 10-1214.14 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
05/31/2012

NOA No. 12-0314.15
Expiration Date: March 10, 2016
Approval Date: June 7, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **12-065**, titled "5" Blade Louvered System, Model 5WDRL", sheets 1 through 7 of 7, prepared by Tilteco, Inc, dated 03/09/2012, signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS "*Submitted under NOA # 10-1214.14*"

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Tensile Test, per ASTM E8
Along with marked-up drawings and installation diagram of a Model 5WDRL 5" Blade Aluminum Louvered System, prepared by American Test Lab of South Florida, Test Report No. **0726.01-10**, dated 09/16/2010, signed and sealed by Julio E. Gonzalez, P.E.

C. CALCULATIONS "*Submitted under NOA # 10-1214.14*"

1. Anchor verification prepared by Tilteco, Inc, dated 07/26/2010, signed and sealed by Walter A. Tillit, Jr., P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 2010 FBC, issued by Tilteco, Inc, dated 03/12/2012, signed and sealed by Walter A. Tillit, Jr., P.E.

"Submitted under NOA # 10-1214.14"
2. Statement letter of conformance to the 2007 FBC, issued by Tilteco, Inc, dated 12/13/2010, signed and sealed by Walter A. Tillit, Jr., P.E.
3. Statement letter of no financial interest issued by Tilteco, Inc, dated 12/13/2010, signed and sealed by Walter A. Tillit, Jr., P.E.



05/31/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0314.15
Expiration Date: March 10, 2016
Approval Date: June 7, 2012

GENERAL NOTES:

1). **5" BLADE LOUVERED SYSTEM** SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE **2010** EDITION OF THE FLORIDA BUILDING CODE. **5" BLADE LOUVERED SYSTEM** MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (MIAMI-DADE/BROWARD COUNTIES).

DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION **1620** OF THE ABOVE MENTIONED CODE, USING ASCE 7-10 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATING INDICATED ON THIS NOTE.
IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATING INDICATED ON THIS NOTE.

IN ORDER TO VERIFY THAT COMPONENTS ON THIS (P.A.D.), AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS **NOT** USED IN THEIR ANALYSIS.
FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2005.

5" BLADE LOUVERED SYSTEM ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION **1626** OF THE ABOVE MENTIONED CODE AS PER AMERICAN TESTING LAB OF SOUTH FLORIDA REPORT # 0726.01-10, AS PER TAS-201, TAS-202, TAS-203.

MAXIMUM A.S.D. DESIGN PRESSURE RATING 150.0, -150.0 psf. LARGE MISSILE IMPACT RESISTANCE.

- 2). ALL ALUMINUM EXTRUSIONS SHALL BE 6063-T6 ALLOY WITH MIN. SPECIFIC YIELD STRENGTHS AS SHOWN ON SHEET 2.
- 3). ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 SERIES WITH 50 ksi YIELD POINT AND 90 ksi TENSILE STRENGTH OR CORROSION RESISTANT CARBON STEEL AS PER DIN 50018 & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4. (SEE BILL OF MATERIALS ON SHEET 2)
- 4). ALL WELDING OF ALUMINUM FRAMING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 2004 EDITION REGULATIONS. USE CERTIFIED WELDERS. USE ER-5356 ELECTRODES.
- 5). ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS MUST BE PAINTED PER SECTIONS 2003.8.4.2, 2003.8.4.4, 2003.8.4.5 AND 2003.8.4.6 OF THE FLORIDA BUILDING CODE AS APPLICABLE.
- 6). ANCHORS FOR JAMB **(3)** CONNECTION TO EXISTING STRUCTURE SHALL BE AS FOLLOWS (SEE SHEET 5):

— ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER. EDGE DISTANCE (E.D.), MINIMUM EMBEDMENT OR THREADED PENETRATION ARE BEYOND ANY WALL FINISH.

ANCHOR TYPE	MANUFACTURER	DIAMETER	MINIMUM EMBEDMENT OR THREADED PENETRATION				MIN. EDGE DISTANCE (E.D.)			MIN. SPACING		
			TO POURED CONCRETE (f'c=3192psi Min.)	TO CONCRETE BLOCK (ASTM C-90 UNIT)	TO 1/8" MIN. STEEL (Fy=33ksi Min.)	TO MIN. 2x6 WOOD (G=0.55 Min.)	POURED CONCRETE OR CONCRETE BLOCK	STEEL	WOOD	POURED CONCRETE OR CONCRETE BLOCK	STEEL	WOOD
TAPCON	ITW/BUILDEX	1/4"φ	1 3/4"	1 1/4"	N/A	N/A	3"	N/A	N/A	3"	N/A	N/A
TEK SCREW	ITW/BUILDEX	1/4"φ	N/A	N/A	3/4"	N/A	N/A	1"	N/A	N/A	3/4"	N/A
TAPCON	ITW/BUILDEX	1/4"φ	N/A	N/A	N/A	1 1/2"	N/A	N/A	1"	N/A	N/A	1"

7). ANCHORS FOR MULLION **(8)** CONNECTION TO EXISTING STRUCTURE SHALL BE AS FOLLOWS (SEE SHEET 7).

— ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER. EDGE DISTANCE (E.D.) MINIMUM EMBEDMENT OR THREADED PENETRATION ARE BEYOND ANY FINISH.

ANCHOR TYPE	MANUFACTURER	DIAMETER	MIN. EMBEDMENT OR THREADED PENETRATION			MIN. EDGE DISTANCE (E.D.)			MIN. SPACING		
			TO POURED CONCRETE (f'c=3000 psi Min.)	TO 1/4" MIN. STEEL (ASTM-A36)	TO MIN. 2x6 WOOD (G=0.55 Min.)	POURED CONCRETE	STEEL	WOOD	POURED CONCRETE	STEEL	WOOD
TAPCON XL	ITW/BUILDEX	5/16"φ	2 1/4"	N/A	N/A	3 1/8"	N/A	N/A	2"	N/A	N/A
TYPE "F" BOLT OR HHB THRU BOLT W/ NUT & LOCK WASHER	—	5/16"φ	N/A	1/4"	N/A	N/A	3/4"	N/A	N/A	1/8"	N/A
ULTRACON FASTENER	ELCO CONSTRUCTION PRODUCTS	5/16"φ	N/A	N/A	1 1/2"	N/A	N/A	1 9/16"	N/A	N/A	1 9/16"

8). **5" BLADE LOUVERED SYSTEM** SHALL ONLY BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS OR SUPPLIES.

9). IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE LOUVER SYSTEM IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE.

10). (A) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE PRODUCT APPROVAL DOCUMENT (P.A.D.)

(B) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.), PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(C) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) WILL BE CONSIDERED INVALID IF MODIFIED.

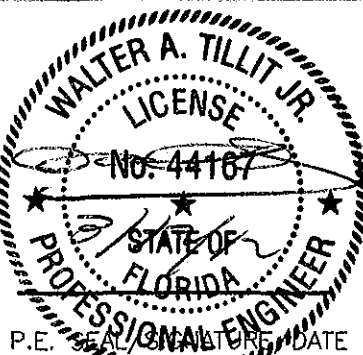
(D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D.

(E) ORIGINAL PRODUCT APPROVAL DOCUMENT (P.A.D.) SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OR RECORD THAT PREPARED IT.

11). **5" BLADE LOUVERED SYSTEM** MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY VISIBLE LOCATION. ONE LABEL SHALL BE PLACED FOR EVERY OPENING AND SHALL READ AS FOLLOWS:
AIR PERFORMANCE, INC.
HARTFORD, ALABAMA
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0314-15
Expiration Date 03/10/2016
By *[Signature]*
Miami Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL/DATE

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

©2012 TILTECO, INC

TILTECO Inc.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33168
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0008719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

**5" BLADE LOUVERED SYSTEM,
MODEL 5WDRL**

AIR PERFORMANCE, INC.

159 GENCO DRIVE
HARTFORD, ALABAMA 36344
PHONE: (334) 588-0070 , FAX: (334) 588-0071

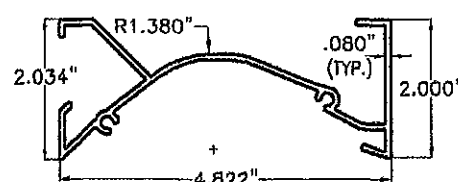
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2			4		

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L.G./A.G

03/09/12
DATE

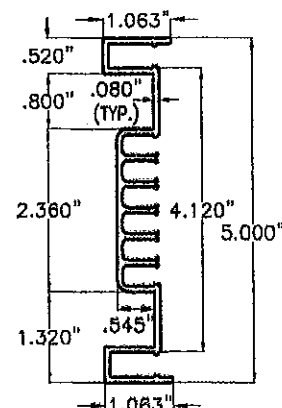
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SHEET 1 OF 7

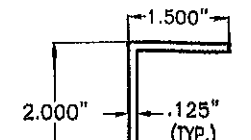


① BLADE
AP-037

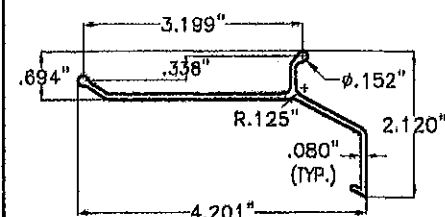
② HEAD
AP-038



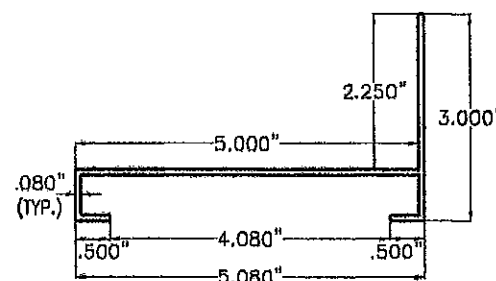
3 JAMB
AP-039



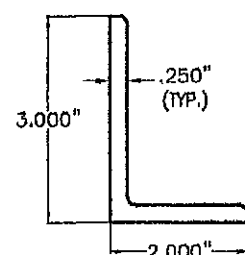
3A JAMB
MOUNTING ANGLE



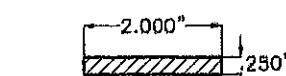
4 BLADE BRACE
2" LONG
AP-040



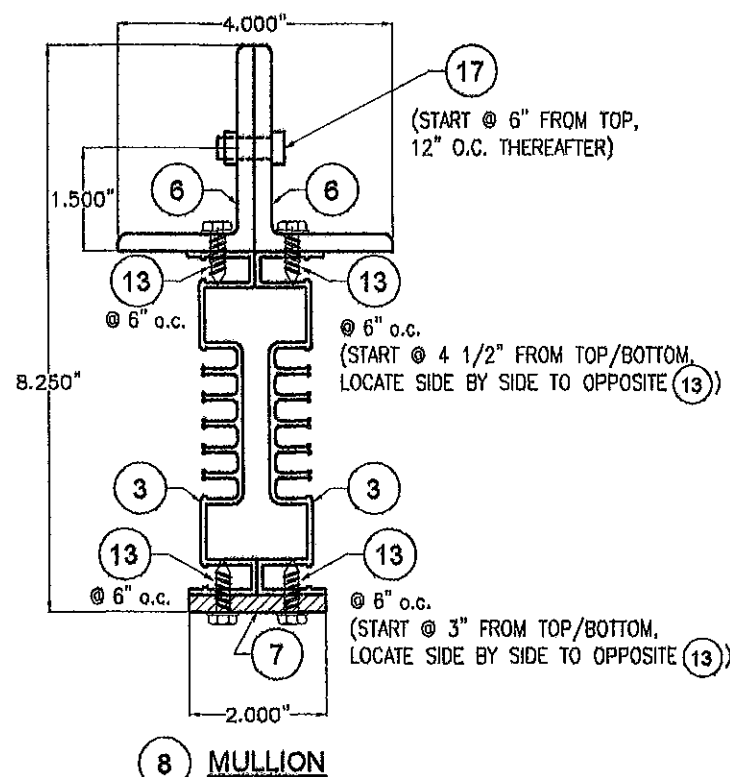
5 SILL
AP-041



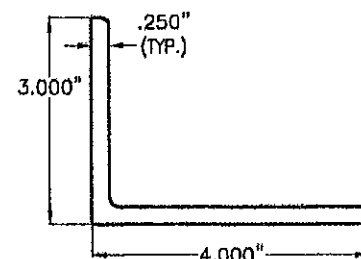
6 MULLION ANGLE



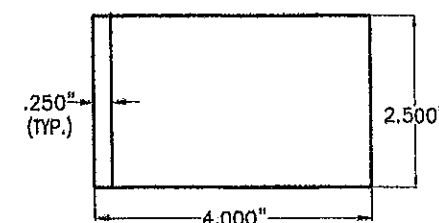
⑦ MULLION PLATE



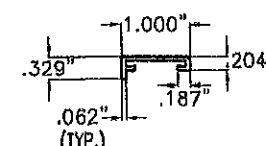
8 MILLION



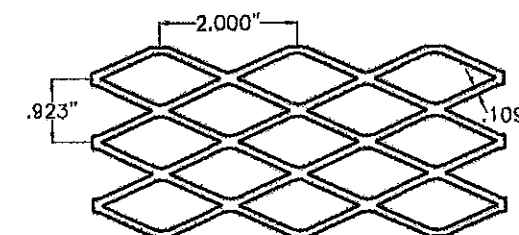
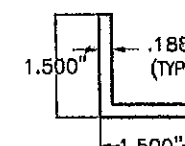
9 MULLION CONNECTOR
2 1/2" LONG



10 SCREEN FRAME



11 BLADE BRACE ANGLE



12 BIRD SCREEN
NOMINAL 3/4" EXPANDED
ALUMINUM x 0.040" THICK

BILL OF MATERIALS 5WDRL LOUVER ASSEMBLY				
ITEM	DESCRIPTION	MATERIAL	SIZE	REMARKS
①	BLADE	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
②	HEAD	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
③	JAMB	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
3A	JAMB MOUNTING ANGLE	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
④	BLADE BRACE	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
⑤	SILL	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
⑥	MULLION ANGLE	6061-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 35 ksi
⑦	MULLION PLATE	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
⑧	MULLION	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
⑨	MULLION CONNECTOR	6061-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 35 ksi
⑩	SCREEN FRAME	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
⑪	BLADE BRACE ANGLE	6063-T6 ALLOY EXTRUDED ALUM.	SEE DETAIL	Fy (MIN.) = 25 ksi
⑫	BIRD SCREEN	3003-H14 ALLOY	SEE DETAIL	Fy (MIN.) = 16 ksi
⑬	HEX HEAD TEK SCREWS	410 STAINLESS STEEL	1/4"Ø x 3/4" LONG	ITW / BUILDEX
13A	HEX HEAD TEK SCREWS	410 STAINLESS STEEL	1/4"Ø x 2" LONG	ITW / BUILDEX
⑮	HEX HEAD TEK SCREWS W/ NEOPRENE WASHER	410 STAINLESS STEEL	#10 x 1 1/4" LONG	LOUVER BLADE AND FRAME ASSEMBLY
⑯	THRU BOLT @ ⑨	ZINC PLATED STEEL	5/16"Ø x 1 1/2" LONG W/ NUT & WASHER	ASTM A-307
⑰	THRU BOLT @ ⑥	ZINC PLATED STEEL	5/16"Ø x 1 1/2" LONG W/ NUT & LOCK WASHER	ASTM A-307

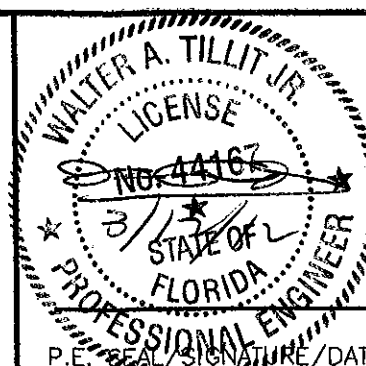
COMPONENTS

SCALE $3/8" = 1'$

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0314.15
Expiration Date 03/16/2016

By [Signature]
Miami Dade Product Control

MIAMI-DADE COUNTY



FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

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TILLIT TESTING & ENGINEERING COMPANY
4345 N.W. 35th, St., Ste. 302, VIRGINIA GARDENS, FL. 33198
Phone : (305)871-1830 . Fax : (305)871-1831
e-mail: tilliteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

5" BLADE LOUVERED SYSTEM,
MODEL 5WDRL

AIR PERFORMANCE, INC.

159 GENCO DRIVE
HARTFORD, ALABAMA 38344

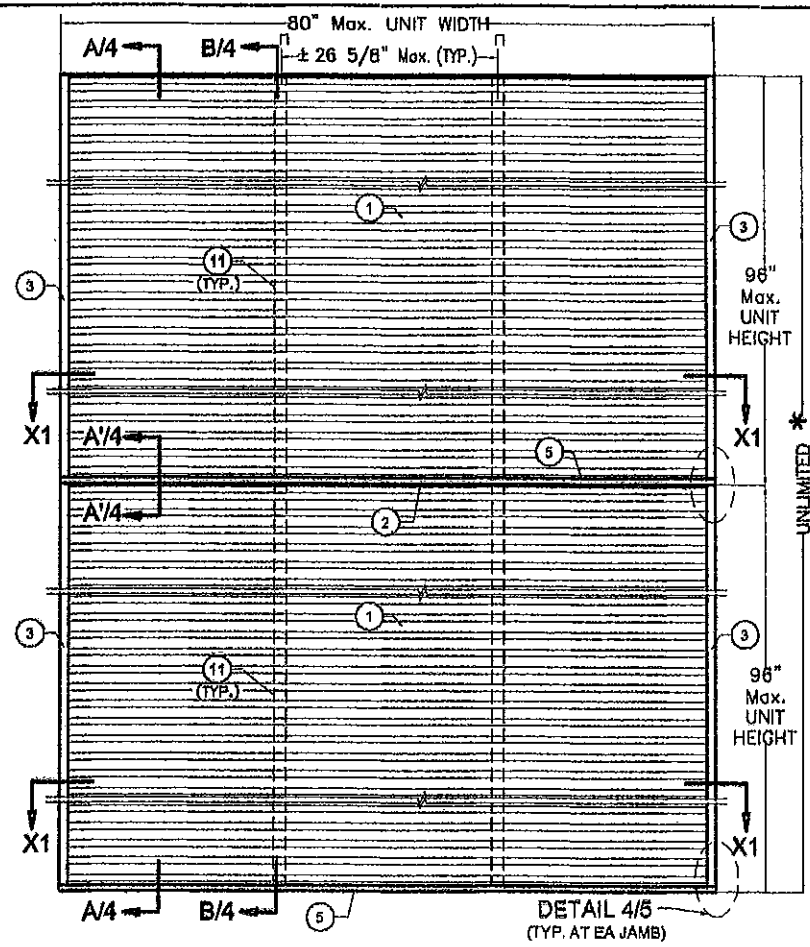
PHONE: (334) 588-0070 , FAX: (334) 588-0071

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L.G./A.G

03/08/12
DATE

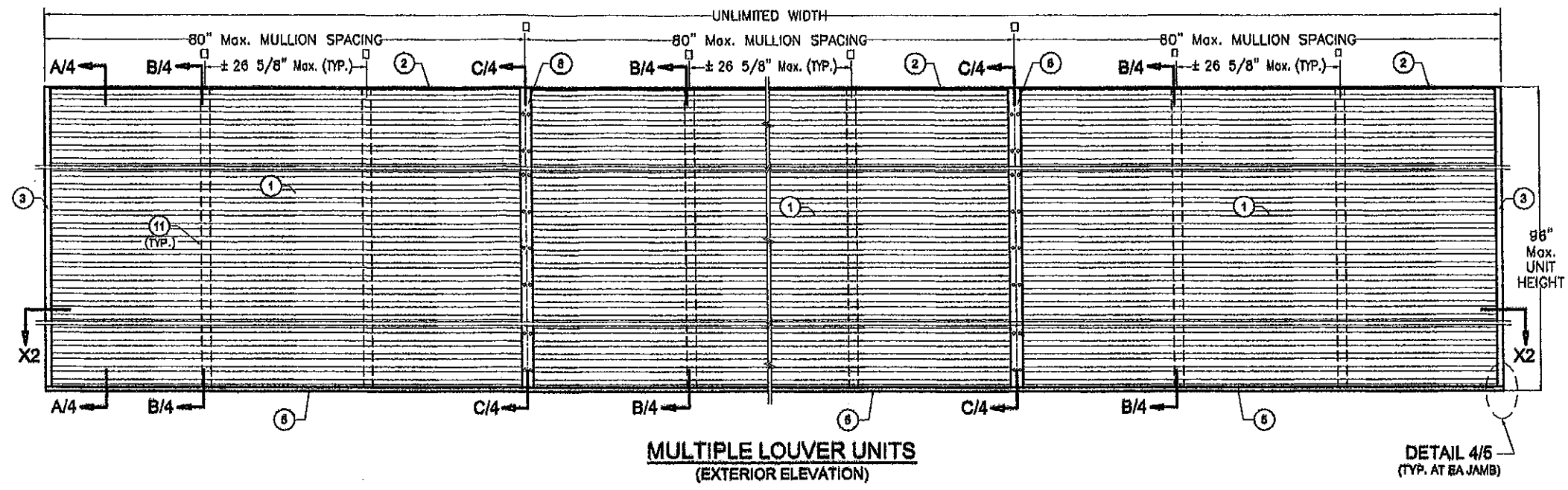
12-065
DRAWING No.

SHEET 2 OF 7



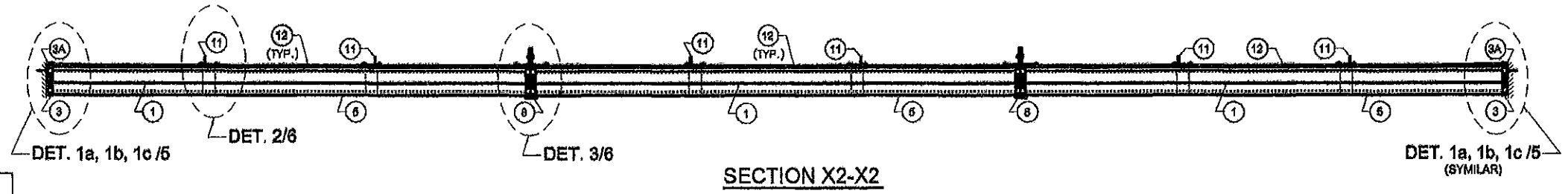
SINGLE LOUVER UNIT *
(EXTERIOR ELEVATION)

* NUMBER OF LOUVER PANEL UNITS NEEDED TO ACHIEVE THE OPENING OVERALL HEIGHT MAY VARY. HOWEVER MAX. UNIT HEIGHT SHALL NOT EXCEED 96".

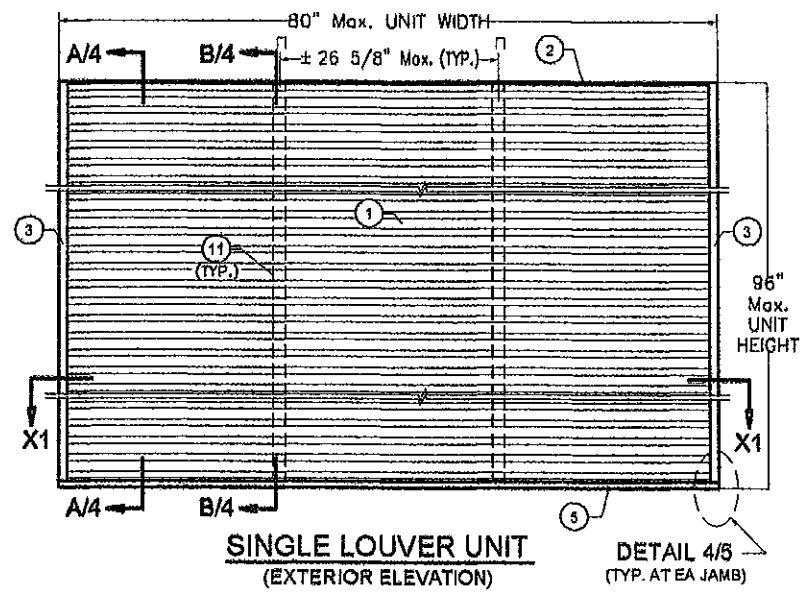


MULTIPLE LOUVER UNITS
(EXTERIOR ELEVATION)

DETAIL 4/5
(TYP. AT EA JAMB)

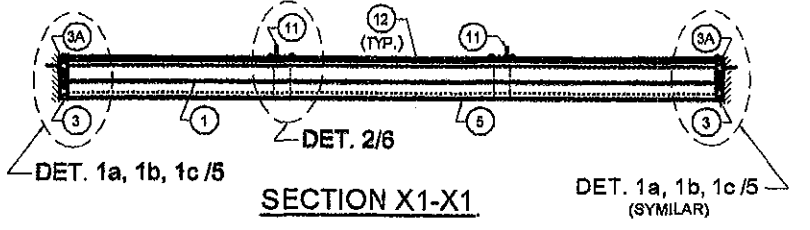


SECTION X2-X2



SINGLE LOUVER UNIT
(EXTERIOR ELEVATION)

DETAIL 4/5
(TYP. AT EA JAMB)



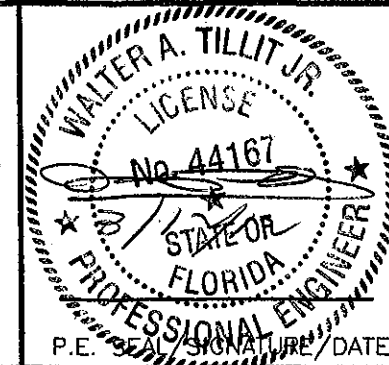
SECTION X1-X1

SINGLE & MULTIPLE UNITS 5WDRL LOUVER SYSTEMS

N.T.S.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0314-15
Expiration Date 03/10/2016
By *[Signature]*
Miami-Dade Product Control

MIAMI-DADE COUNTY



P.E. SEAL SIGNATURE/DATE

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

©2012 TILTECO, INC

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186
Phone: (305) 871-1830, Fax: (305) 871-1831
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

5" BLADE LOUVERED SYSTEM,
MODEL 5WDRL

AIR PERFORMANCE, INC.

159 GENCO DRIVE
HARTFORD, ALABAMA 36344
PHONE: (334) 588-0070, FAX: (334) 588-0071

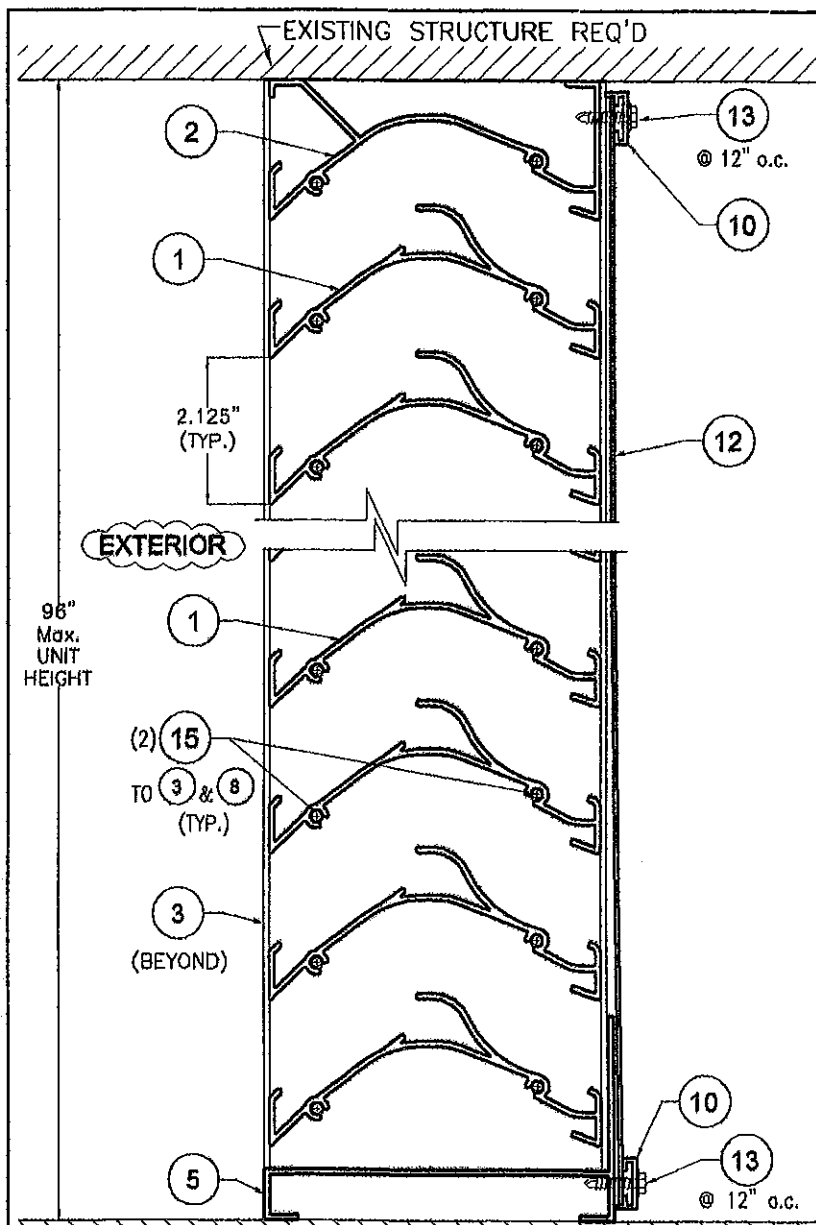
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L.G./A.G

03/09/12
DATE

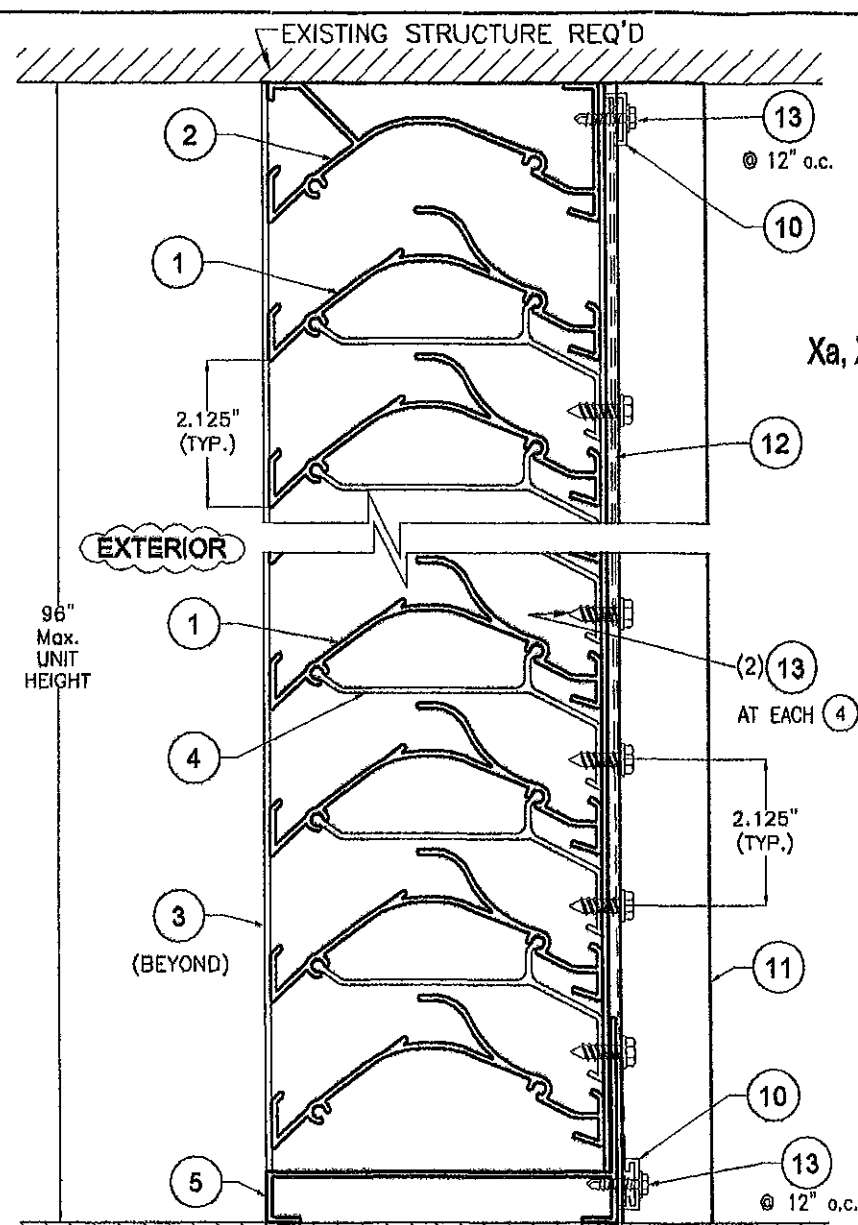
12-065
DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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2			3		

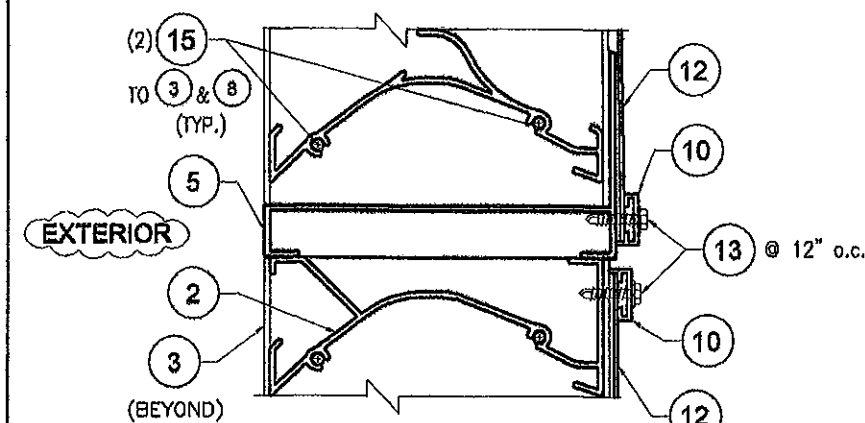
SHEET 3 OF 7



SECTION A-A
@ JAMB (3)
SCALE 3/8"=1"



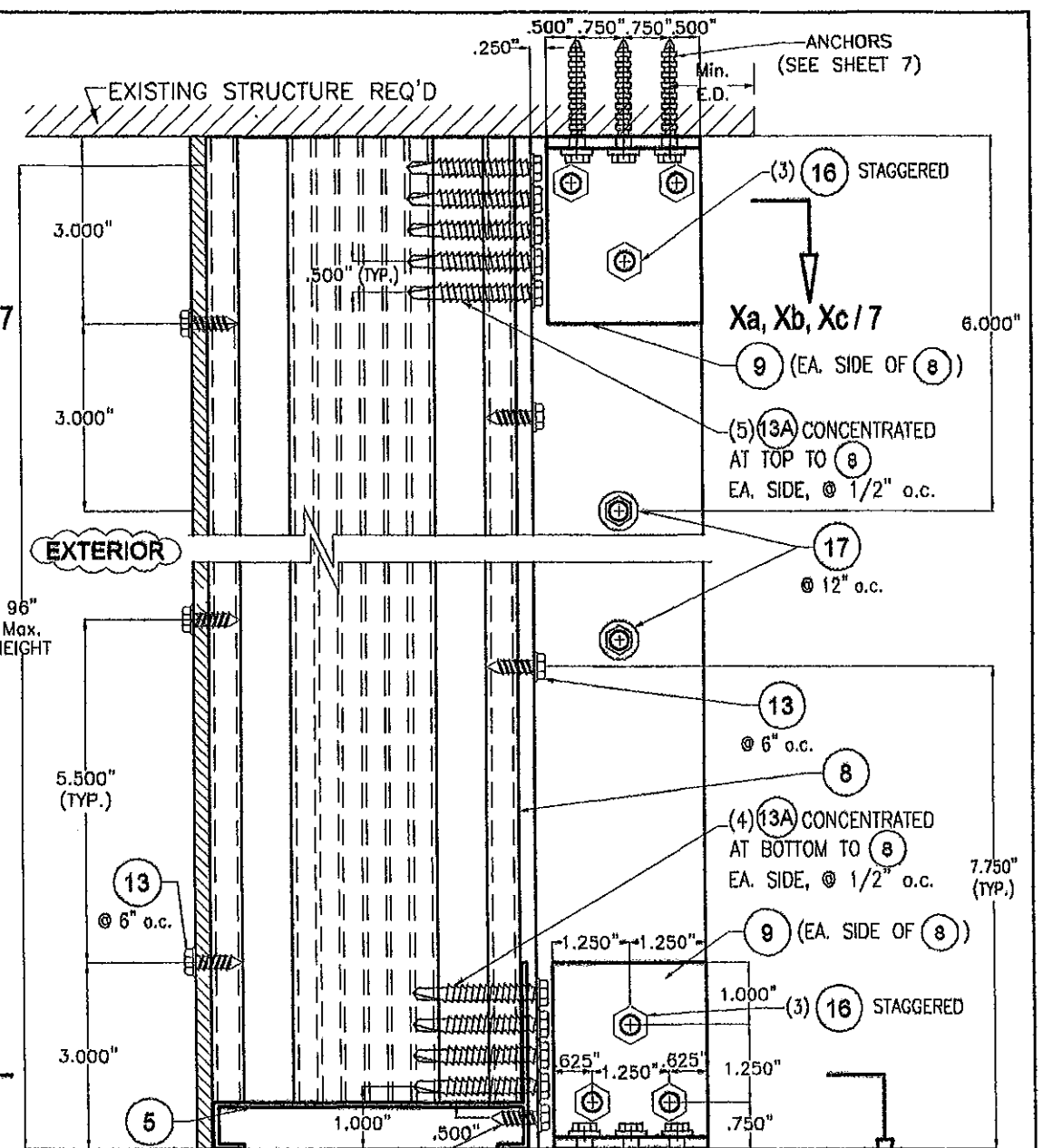
SECTION B-B
@ BLADE BRACE ANGLE (11)
SCALE 3/8"=1"



SECTION A'-A'
SCALE 3/8"=1"

Xa, Xb, Xc / 7

Xa, Xb, Xc / 7

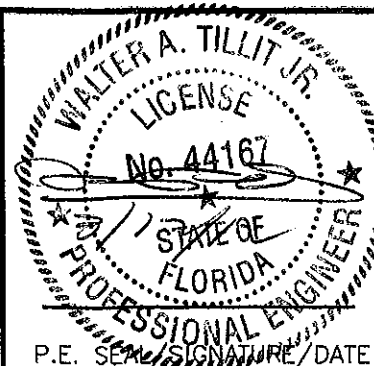


SECTION C-C
@ MULLION (8)
SCALE 3/8"=1"

Xa, Xb, Xc / 7

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0314-15
Expiration Date 03/10/2016
By *[Signature]*
Miami Dade Product Control

MIAMI-DADE COUNTY



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EG-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

5" BLADE LOUVERED SYSTEM,
MODEL 5WDRL

AIR PERFORMANCE, INC.

159 GENCO DRIVE
HARTFORD, ALABAMA 36344
PHONE: (334) 588-0070 , FAX: (334) 588-0071

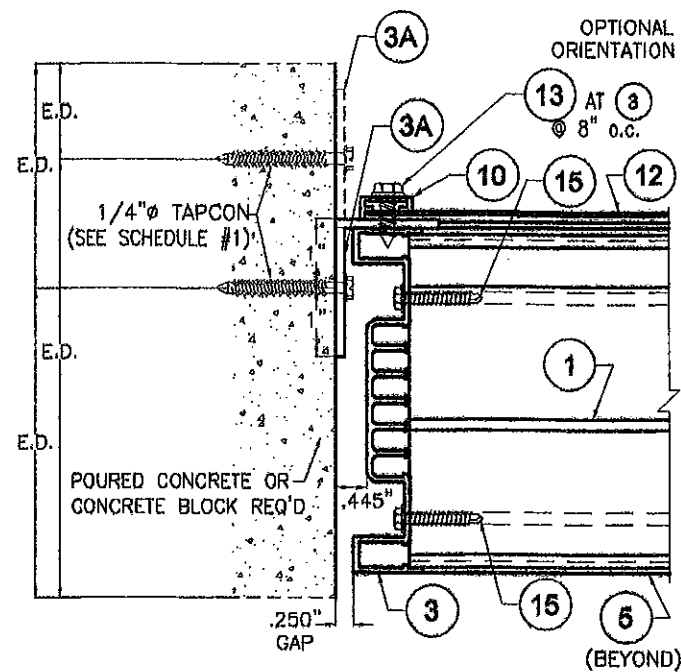
DRAWN BY:
L.G./A.G

03/09/12
DATE

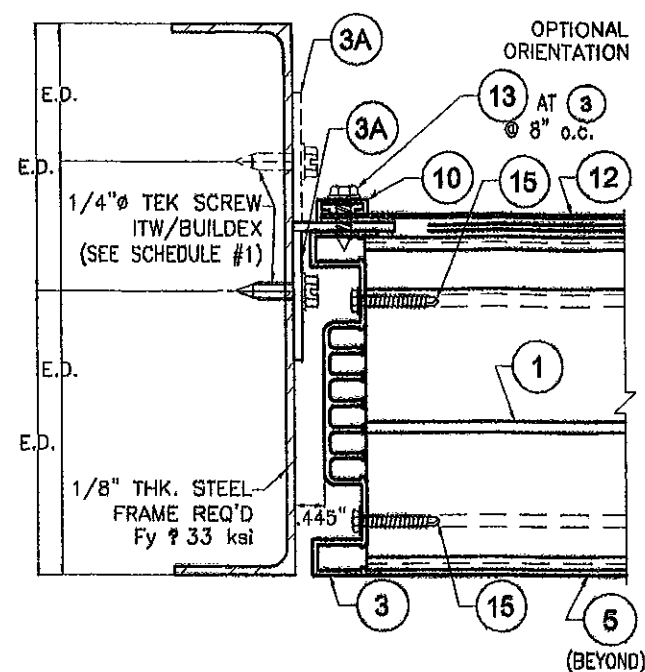
12-065
DRAWING No

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2			4		

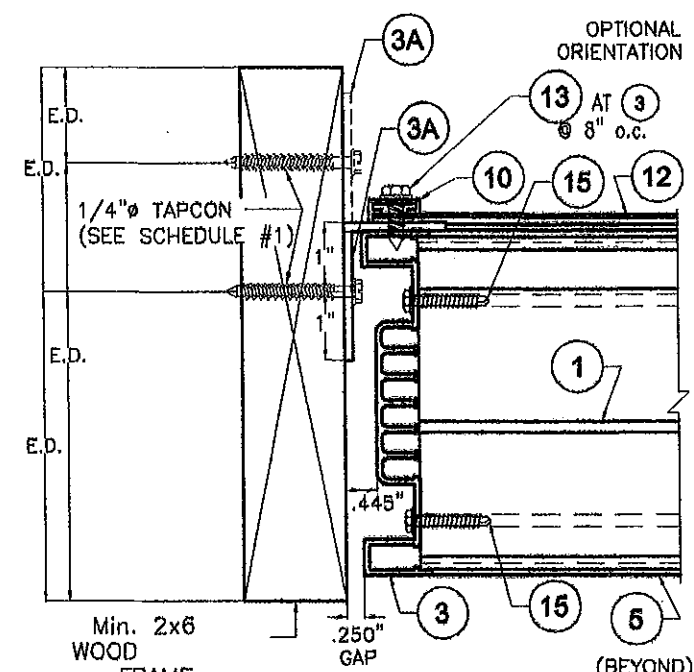
SHEET 4 OF 7



DETAIL 1a
TO POURED CONCRETE
OR CONCRETE BLOCK



DETAIL 1b
TO STEEL

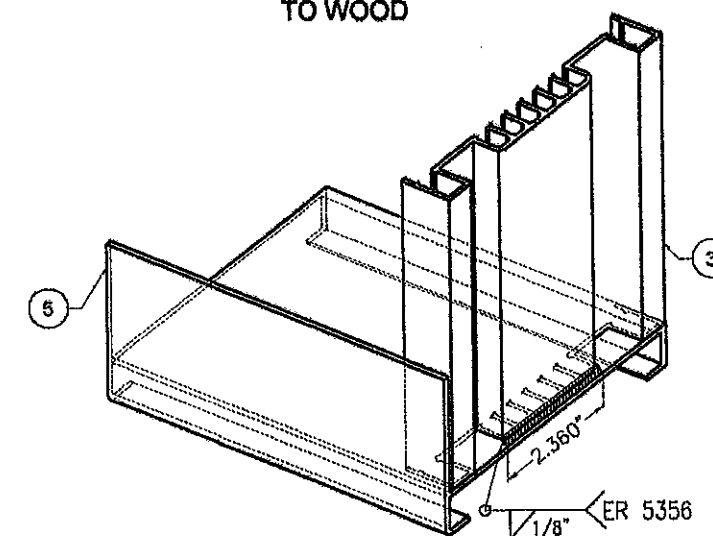


DETAIL 1c
TO WOOD

JAMB ③ CONNECTION DETAILS TO DIFFERENT SUBSTRATES (SEE GENERAL NOTE 6/1)

ANCHOR SPACING SCHEDULE AT JAMB, VALID FOR CONNECTION TO POURED CONCRETE, CONCRETE BLOCK, STEEL & WOOD SUBSTRATES

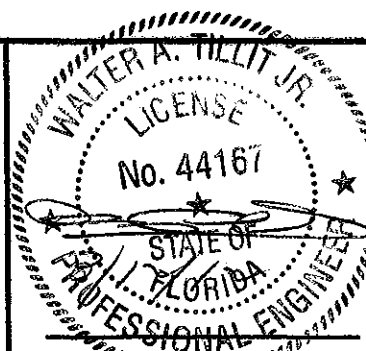
MAX. ANCHOR SPACING AT JAMBS, SCHEDULE # 1 W/ ③A (1 1/2" x 2" x 1/8" ANGLE)					
MAX. A.S.D. DESIGN PRESSURE RATING (psf)	SINGLE UNIT WIDTH OR MULLION SPACING (S) AT MULTIPLE UNITS (in)	MAXIMUM SPACING (in o.c.)			
		1/4"Ø TAPCON TO POURED CONCRETE	1/4"Ø TAPCON TO CONCRETE BLOCK	1/4"Ø TEK SCREW TO STEEL	1/4"Ø TAPCON TO WOOD
±75 OR LESS	48	8	8	8	8
	60	8	8	8	7 1/2
	72	8	7	8	6 1/2
	80	8	6	8	6
> ±75 TO ±110	48	8	7	8	6 1/2
	60	8	5 1/2	8	5 1/2
	72	8	4 1/2	8	4 1/2
	80	8	4 1/2	8	4
> ±110 TO ±150	48	8	5	8	5
	60	8	4	8	4
	72	7	3 1/2	8	3
	80	6	3	7	3



DETAIL 4
CORNER AT BOTTOM
N.T.S.

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5" BLADE LOUVERED SYSTEM,
MODEL 5WDRL

AIR PERFORMANCE, INC.

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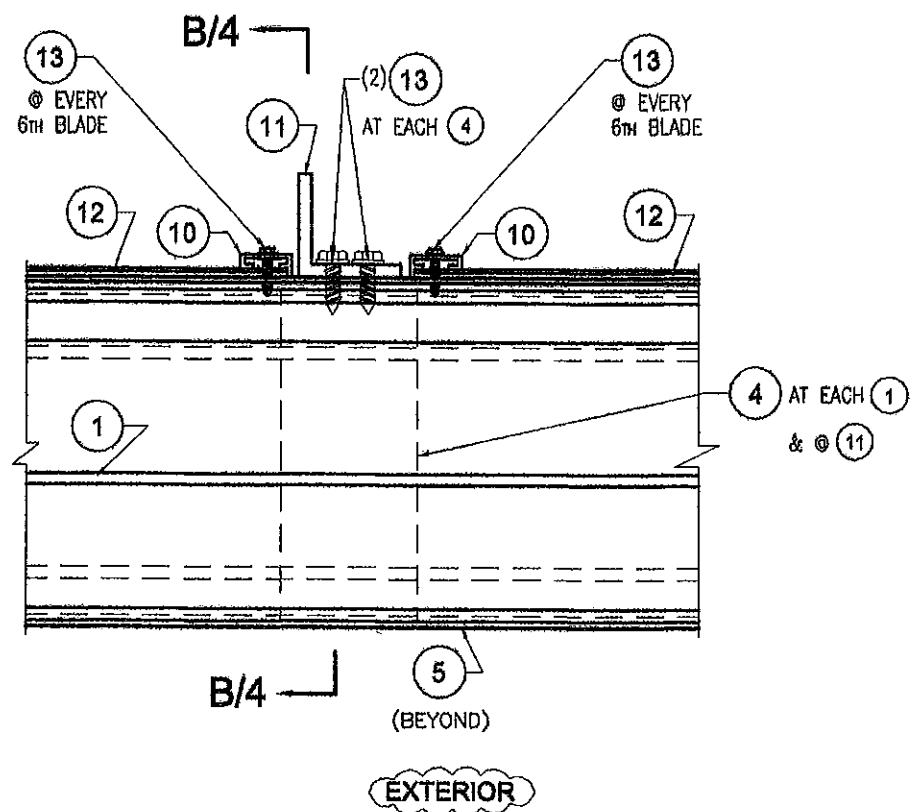
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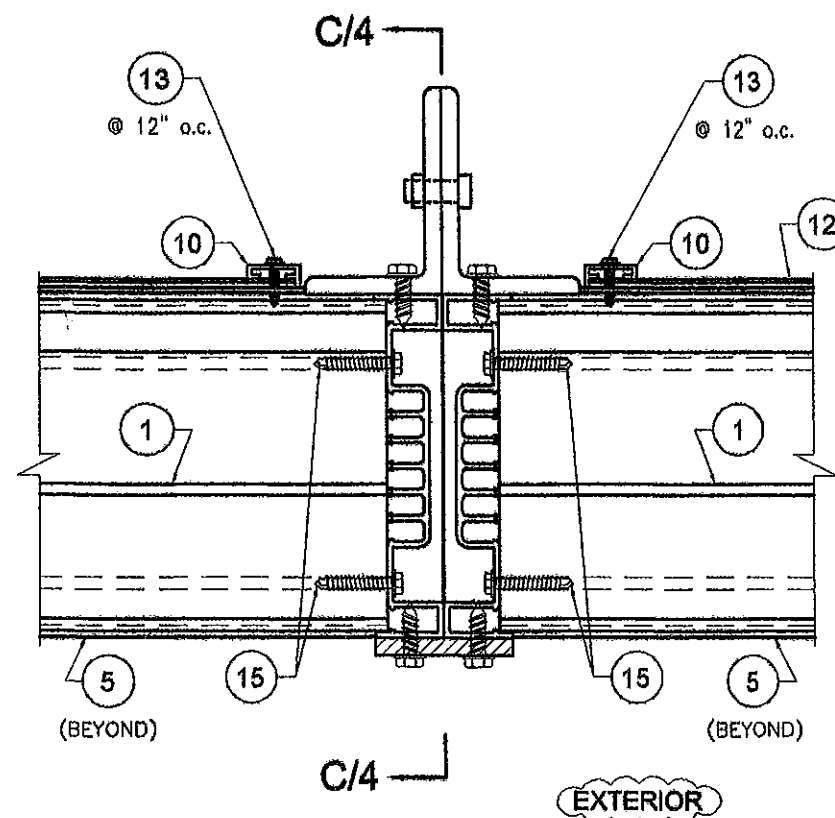
12-065
DRAWING No

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2			4		

SHEET 5 OF 7



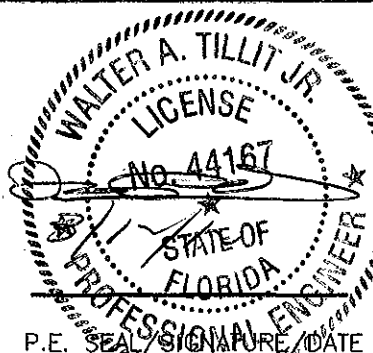
DETAIL 2 (PLAN)
@ BLADE BRACE ANGLE (11)
 SCALE 3/8"=1"



DETAIL 3 (PLAN)
@ MULLION (8)
 SCALE 3/8"=1"

PRODUCT REVISED
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**5" BLADE LOUVERED SYSTEM,
 MODEL 5WDRL**

AIR PERFORMANCE, INC.

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 PHONE: (334) 588-0070, FAX: (334) 588-0071

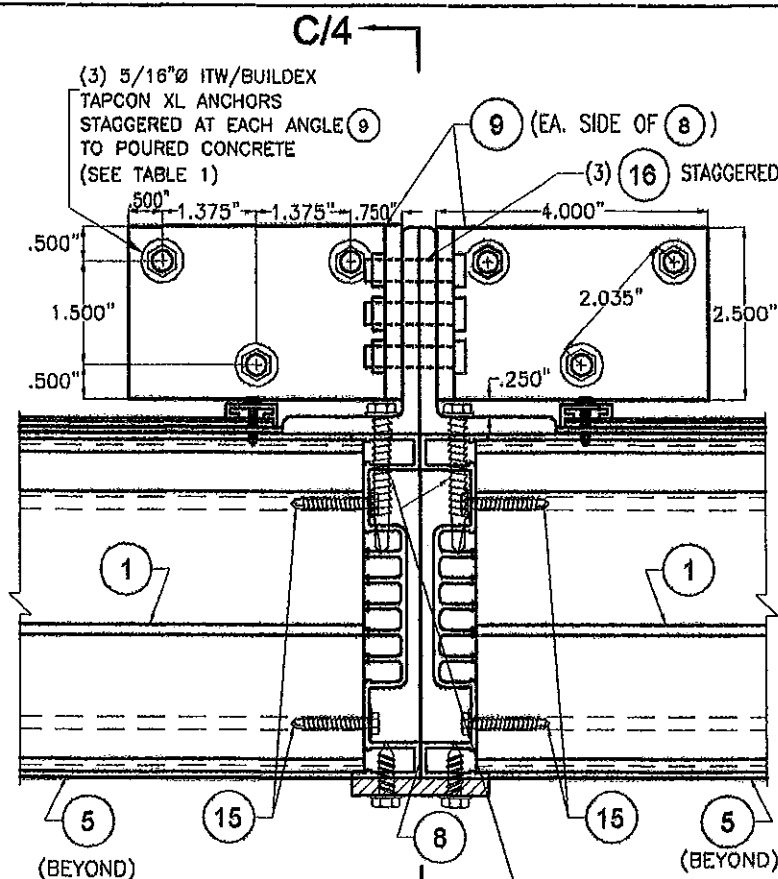
DRAWN BY:
 L.O./A.O

03/09/12
 DATE

12-065
 DRAWING No

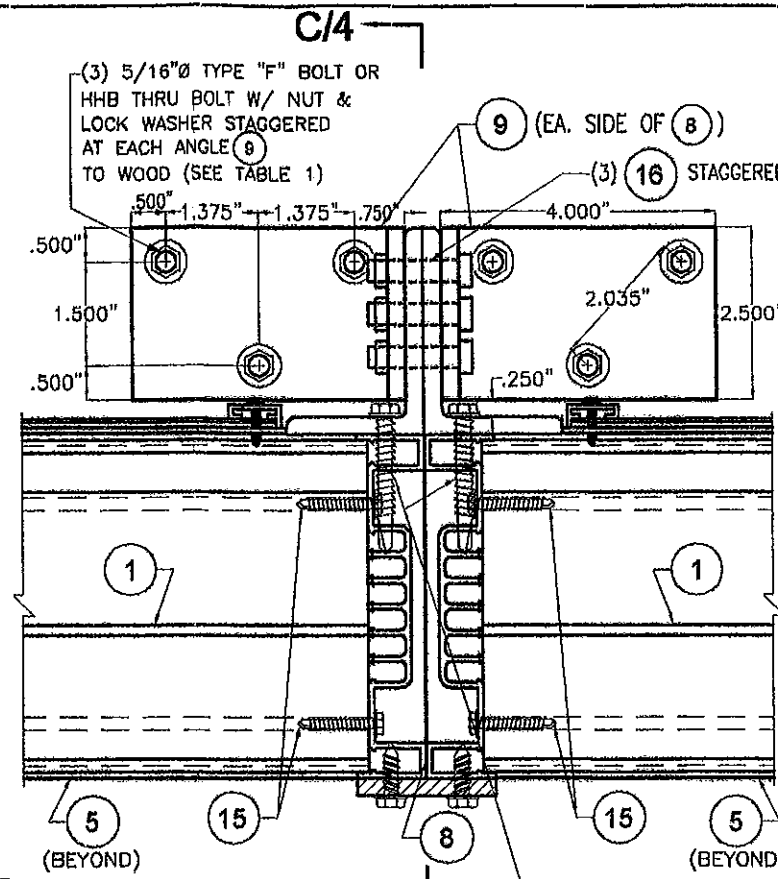
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2			4		

SHEET 6 OF 7



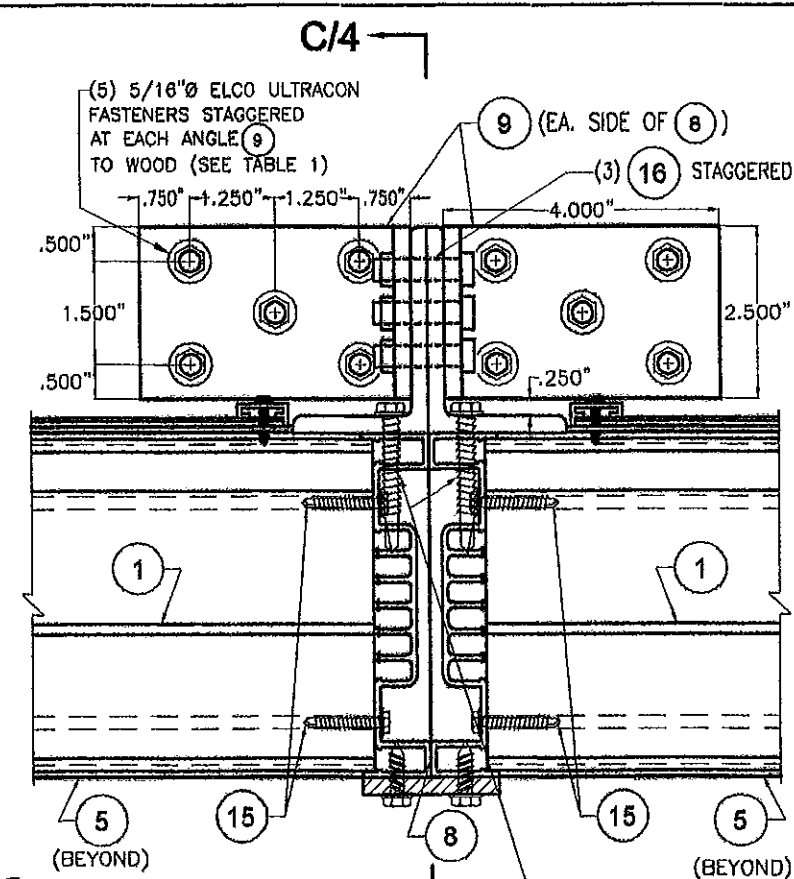
**SECTION Xa-Xa
CONNECTION
TO POURED CONCRETE**
SCALE: 3/8"=1"

(5) (13A) CONCENTRATED AT TOP TO (8) EA. SIDE @ 1/2" o.c. AND USE (4) (13A) CONCENTRATED AT BOTTOM TO (8) EA. SIDE, @ 1/2" o.c. & START WITH (1) (13) TO SILL (5) EA. SIDE OF (8) @ 1/2" FROM BOTTOM



**SECTION Xb-Xb
CONNECTION
TO STEEL**
SCALE: 3/8"=1"

(5) (13A) CONCENTRATED AT TOP TO (8) EA. SIDE @ 1/2" o.c. AND USE (4) (13A) CONCENTRATED AT BOTTOM TO (8) EA. SIDE, @ 1/2" o.c. & START WITH (1) (13) TO SILL (5) EA. SIDE OF (8) @ 1/2" FROM BOTTOM



**SECTION Xc-Xc
CONNECTION
TO WOOD**
SCALE: 3/8"=1"

(5) (13A) CONCENTRATED AT TOP TO (8) EA. SIDE @ 1/2" o.c. AND USE (4) (13A) CONCENTRATED AT BOTTOM TO (8) EA. SIDE, @ 1/2" o.c. & START WITH (1) (13) TO SILL (5) EA. SIDE OF (8) @ 1/2" FROM BOTTOM

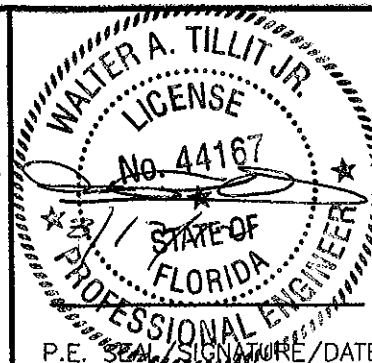
TABLE 1

MAX. A.S.D. DESIGN PRESSURE RATING (psf)	MAX. MULLION SPACING AT MULTIPLE UNITS (in)	TOTAL NUMBER OF ANCHORS PER CONNECTION		
		Section Xa-Xa	Section Xb-Xb	Section Xc-Xc
±75 OR LESS	48	6	6	10
	60	6	6	10
	72	6	6	10
	80	6	6	10
> ±75 TO ±110	48	6	6	10
	60	6	6	10
	72	6	6	10
	80	-	6	10
> ±110 TO ±150	48	6	6	10
	60	-	6	10
	72	-	6	10
	80	-	6	10

**MULLION (8) CONNECTION DETAIL
TOP & BOTTOM TO DIFFERENT SUBSTRATES
(SEE GENERAL NOTE 7/1)**

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REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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03/09/12 DATE

12-065 DRAWING No

SHEET 7 OF 7